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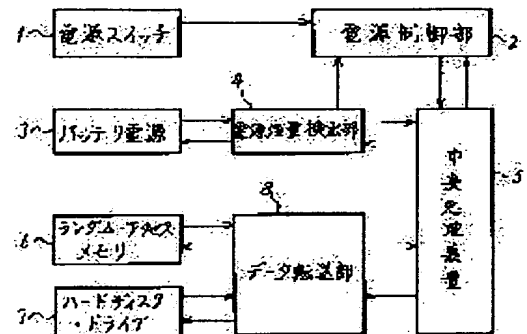
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## (54) AUTOMATIC SAVING AND RECOVERY METHOD FOR VOLATILE STORAGE DEVICE

### (57)Abstract:

PURPOSE: To make it possible to perform data protection of a volatile storage device without necessitating the interposition of a user by transferring the content of the volatile storage device to a nonvolatile storage device when the remaining capacity of power source becomes below a certain capacity.

CONSTITUTION: The remaining capacity of a battery power source 3 is detected by a power source remaining capacity detection part 4 and the content of a volatile storage device 6 is transferred to a nonvolatile storage device 7 when the remaining capacity becomes below a certain capacity. Whether data saving was performed or not at the time of the recovery of power source capacity is decided. When the automatic saving of the volatile storage device 6 was performed, the content of the nonvolatile storage device 7 is transferred to the volatile storage device 6. Further, a RAM for which a battery back-up was performed is put on the same position as a RAM 6. When the remaining capacity becomes below the certain capacity in the power source remaining capacity detection part 4 while data is stored in the RAM, a recovery processing is performed one time by a power source control part 2.



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(54)【発明の名称】 揮発性記憶装置の自動退避、復帰方法

(57)【要約】

【目的】本発明は、消耗電源を用いたコンピュータシステムに関し、特に揮発性記憶装置のデータ保護機能を提供することにある。

【構成】電源残量検出部4により電源3の残容量を検出し、残量が一定量以下になった時、揮発性記憶装置6の内容を不揮発性記憶装置7に転送する。

【効果】利用者が介入しなくても、データの保護を行うことができる。

( 図 1 )

